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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/901,612	07/11/2001	Yoshiko Iida	35.C15566	7604

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EXAMINER

GRANT II, JEROME

ART UNIT	PAPER NUMBER
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2626

DATE MAILED: 01/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Supplemental
Notice of Allowability**

Application No.

09/901,612

Examiner

Jerome Grant II

Applicant(s)

IIDA ET AL.

Art Unit

2626

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37. CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8-11-2005.
2. ☒ The allowed claim(s) is/are 1-4, 8, 9 and 11-14.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 11-2-2005.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

**JEROME GRANT II
PRIMARY EXAMINER**

Examiner's Amendment

Authorization for this examiner's amendment was given in a telephone interview with Ray Diperna on 11-2-2005.

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

In the claims:

Claim 4. (Currently Amended by the Examiner) An image processing method for preparing a look-up table for converting an input color signal into an output color signal constituted by a plurality of color components which are used when a color output apparatus outputs a color image, wherein the method is intended for setting up a lattice point between a vertex showing the chromatic color and a vertex showing black in a reproducible color space of said color output apparatus, and wherein, in accordance with the method: an interval between the vertex showing the chromatic color and the vertex showing the black is divided into a plurality of areas different in the combination of a color component used in a color reproduction, and a lattice point is set

Art Unit: 2626

up according to a ratio of each area between the vertex showing the chromatic color and the vertex showing the black.

Claim 8. (Currently Amended by the Examiner): A program implemented in a computer readable medium for realizing an image processing method for determining a starting point which produces a black component between vertices showing a plurality of chromatic colors and a vertex showing a black in a reproducible color space of a color output apparatus, an amount of the black component between the starting point and the vertex showing the black and an amount of a complementary color component, when a look-up table for converting an input color signal into a plurality of color components including a black component is prepared, said method realized by said program comprising the steps of: determining the starting point which produces the black component based on the value of the complementary color component corresponding to the chromatic color which is inconspicuous in a graininess of a black recording material in an output image; determining the amount of the black component between the starting point and the vertex showing the black by linearly increasing the black component from the starting point to the vertex showing the black, independently of the complementary color component corresponding to the chromatic color; and determining the amount of the complementary color component based on the determined amount of the black component.

Claim 9. (Currently Amended by the Examiner): A program implemented in a computer readable medium for realizing an image processing method for preparing a look-up table for converting an input color signal into an output color signal constituted by a plurality of color components which are used when a color output apparatus outputs a color image, wherein the method realized by the program is intended for setting up a lattice point between a vertex showing the chromatic color and a vertex showing a black in a reproducible color space of the color output apparatus and wherein, in accordance with the method realized by the program: an interval between the vertex showing the chromatic color and the vertex showing the black is divided into a plurality of areas different in the combination of the color component used in a color reproduction, and a lattice point is set up according to a ratio of each area between the vertex showing the chromatic color and the vertex showing the black.

Art Unit: 2626

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jerome Grant II whose telephone number is 571-272-7463. The examiner can normally be reached on Mon.-Fri. from 9:00 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly A. Williams, can be reached on 571-272-7471. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

J. Grant II